

2011 GEOTECHNICAL ENGINEER EXAMINATION REFERENCE LIST

The following is a list of recommended references for the Geotechnical Engineer examination. References included in the list should be considered suggested material only.

1. ***An Engineering Manual for Slope Stability Studies***; J. M. Duncan, A.L. Buchignani and M. DeWet; Virginia Tech Center for Geotechnical Practice and Research, Dept. of Civil Engineering, March 1987. (Available through e-mail cjs@vt.edu).
2. ***An Introduction to Geotechnical Engineering***; Robert D. Holtz and William D. Kovacs; Prentice Hall, 1981.
3. ***Annual book of ASTM Standards, Section 4 – Construction, Volume 04.08: Soil and Rock (I)***; D 420 – D 5876, current edition
4. ***Annual Book of ASTM Standards, Section 4 – Construction, Volume 04.09: Soil and Rock (II)***; D 5877, current edition
5. ***California Building Code, Volume I, 2010***
6. ***California Building Code, Volume II, 2010***
7. ***Designing with Geosynthetics, 5th Edition***; Robert M. Koerner; Prentice Hall, 2005.
8. ***Evaluation of Settlements in Sands Due to Earthquake Shaking***; K. Tokimatsu and H. B. Seed; ASCE Journal of Geotechnical Engineering, Vol. 113, No. 8, August 1987.
9. ***Seepage Analysis and Control for Dams***, Engineer Manual No. 1110-2-1901 (Available through website) <http://140.194.76.129/publications/eng-manuals/em1110-2-1901/change.pdf>
10. ***Foundation Analysis and Design, 5th Edition***; Joseph E. Bowles; McGraw-Hill, 1996, 1997
11. ***Foundation Design Principles and Practices, 2nd Edition***; Donald P. Coduto; Prentice Hall, 2001.
12. ***Foundation Engineering, 2nd Edition***; Ralph B. Peck, Walter E. Hansen and Thomas H. Thornburn; Wiley & Sons, 1974.
13. ***Foundation Engineering Handbook, 2nd Edition***; Hsai-Yang Fang (Editor); Van Nostrand Reinhold, 1991.
14. ***Geotechnical Earthquake Engineering***; Steven L. Kramer; Prentice Hall, 1996.
15. ***Geotechnical Engineering Principles and Practices***; 2nd Edition, Donald P. Coduto et al.; Prentice Hall, 2010.
16. ***Guidelines for Evaluating and Mitigating Seismic Hazards in California***; California Division of Mines and Geology, Special Publication 117A, 2008. (Available through website) <http://www.conservation.ca.gov/cgs/shzp/Pages/shmppgminfo.aspx>
17. ***Highway Design Manual, Chapters 600-670***, Caltrans. (Available through website) <http://www.dot.ca.gov/hq/oppd/hdm/hdmtoc.htm>

2011 GEOTECHNICAL ENGINEER EXAMINATION REFERENCE LIST (cont.)

18. ***Liquefaction Resistance of Soils: Summary Report from the 1996 NCEER and 1998 NCEER/NSF Workshops on Evaluation of Liquefaction Resistance of Soils***; T.L. Youd and I.M. Idriss; Journal of Geotechnical and Geoenvironmental Engineering, Vol. 127, No. 4, April 2001 or Vol. 127, No. 10, October 2001.
19. ***Principles of Foundation Engineering, 6th Edition***; Braja M. Das, Pws Publishing Co., 2007.
20. ***Professional Engineers' Act and Board Rules***; Board for Professional Engineers and Land Surveyors; 2011.
23. ***Soil Liquefaction During Earthquakes***; I.M. Idriss and R.W. Boulanger, Earthquake Engineering Research Institute, 2008.
24. ***Recommended Procedures for Implementation of DMG Special Publication 117: Guidelines for Analyzing and Mitigating Liquefaction Hazards in California***; Southern California Earthquake Center; USC, March 1999. (Available through website) <http://www.scec.org>
25. ***Seepage, Drainage, and Flow Nets, 3rd Edition***; Harry R. Cedergren; John Wiley and Sons, 1989
26. ***Settlement Analysis, Technical Engineering and Design Guides as Adapted from the U.S. Army Corps of Engineers, No. 9***; American Society of Civil Engineers (ASCE); ASCE Press, 1994.
27. ***Soil Dynamics and Special Design Aspects***, Department of Defense Handbook, MIL-HDBK- 1007/3 (Superseding NAVFAC DM 7.3); Department of Defense, 1997. (Available through website) <http://vulcanhammer.net/geotechnical/mh10073.pdf>
28. ***Soil Mechanics***; William T. Lambe and Robert V. Whitman; John Wiley and Sons, 1969.
29. ***Soil Mechanics, Design Manual 7.01 and 7.02***; Department of the Navy, Naval Facilities Engineering Command; U.S. Government Printing Office, 1986. (Available through website) http://web.mst.edu/~rogersda/umrcourses/ge441/dm7_01.pdf
30. ***Soil Mechanics in Engineering Practice, 3rd Edition***; Karl Terzaghi, Ralph B. Peck and Gholamreza Mesri; John Wiley and Sons, 1996.
31. ***Soils in Construction, 5th Edition***; W.L. Schroeder, S.E. Dickenson and Don C. Warrington; Prentice Hall, 2004.